

Polyclonal Antibody to Maltose Phosphorylase - Ig Fraction

| | |
|-----------------------|---|
| Catalog No.: | R1151P |
| Quantity: | 50 mg |
| Concentration: | 10.0 mg/ml (by UV absorbance at 280 nm) |
| Background: | Maltose phosphorylase is a dimeric enzyme that catalyzes the conversion of maltose and inorganic phosphate into beta D glucose 1 phosphate and glucose without requiring any cofactors, such as pyridoxal phosphate. The enzyme is part of operons that are involved in maltose/malto oligosaccharide metabolism. |
| Host: | Goat |
| Immunogen: | Maltose Phosphorylase [E.coli]. |
| Format: | State: Lyophilized purified Ig fraction. Purification: Multistep process. Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% sodium azide as preservative. Reconstitution: Restore with 5.0 ml of deionized water (or equivalent). |
| Applications: | Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoprecipitation, Conjugation and most immunological methods requiring high titer and specificity. Recommended Dilutions: This product has been assayed against 1.0 µg of Maltose Phosphorylase [E.coli] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Goat) and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:10,000 of the reconstitution concentration is suggested for this product. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum as well as purified and partially purified Maltose Phosphorylase [E.coli]. Cross reactivity against Maltose Phosphorylase from other sources is unknown. |

Storage:

Store vial at 2-8°C prior to restoration. For extended storage add glycerol to 50% and then aliquot contents and freeze at -20°C or below. Centrifuge product if not completely clear after standing at room temperature.

This antibody is stable for one month at 2-8°C as an undiluted liquid.

Dilute only prior to immediate use.

Avoid repeated freezing and thawing.

Shelf life: One year from despatch.